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[CH/CH]; Petite Route 2, CH-1061 Villars-Mendraz (CH). CHIQUET, André [CH/CH]; Route des Dailles 41, CH-1752 Villars-sur-Glâne (CH). GOLAY, Richard [CH/CH]; Avenue du Lavaux 10, CH-1009 Pully (CH).

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(74) Agents: SWECKER, Robert, S.? et al.; Burns, Doane, Swecker & Mathis, LLP, P. O. Box 1404, Alexandria, Virginia 22313-1404 (US).

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(71) Applicants (for all designated States except US): TETRA Laval HOLDINGS & FINANCE S.A. [CH/CH]; Avenue Général-Guisan 70, CH-1009 Pully (CH). TETRA PAK INC. [US/US]; 33 West Wacker Drive, 15th Floor, Chicago, Illinois 60606 (US).

(72) Inventors; and

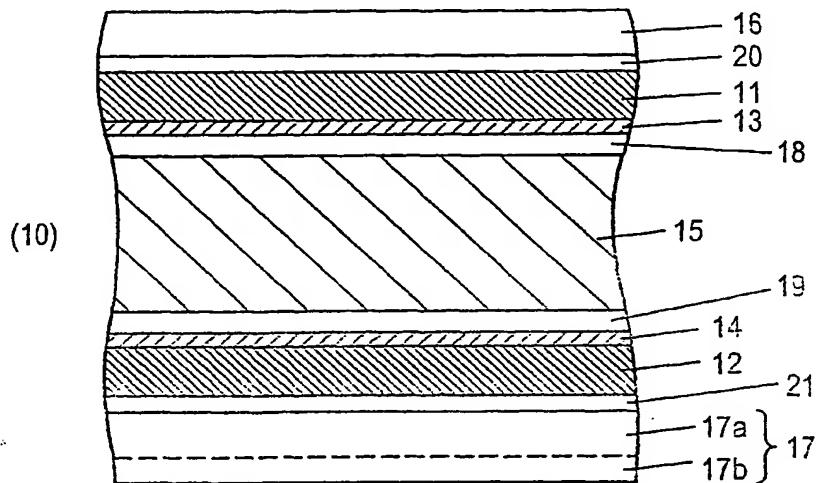
(75) Inventors/Applicants (for US only): BÜRKI, Monika

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(54) Title: PLASTIC GAS BARRIER PACKAGING LAMINATE



(57) Abstract: The invention relates to a gas barrier packaging laminate (10) having durability to stress crack formation and yet a bending stiffness and good integrity between the laminate layers, comprising outer layers of heat-sealable polyolefin (16, 17), two polymer carrier layers (11, 12) each being coated with a SiOx gas barrier layer (13, 14), wherein the two polymer carrier layers with SiOx layers are laminated to each other by means of an intermediate polymer layer (15), which includes a thermoplastic polymer having high elastomeric properties. The required stiffness of the packaging laminate is obtained by forming a structural sandwich construction with two stiff carrier layers separated by a relatively thick lower density intermediate layer. Preferably, the thickness of the intermediate polymer layer (15) constitutes from about 30 to about 55% of the total thickness of the packaging laminate (10). The invention also relates to a packaging container such as a pouch or similar manufactured from the packaging laminate and to a method of manufacturing of the packaging laminate.

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